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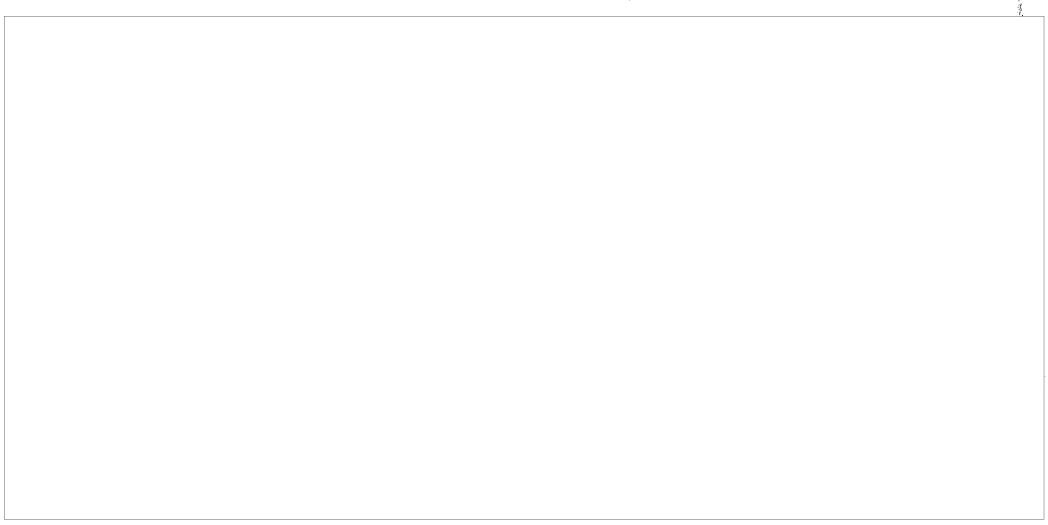
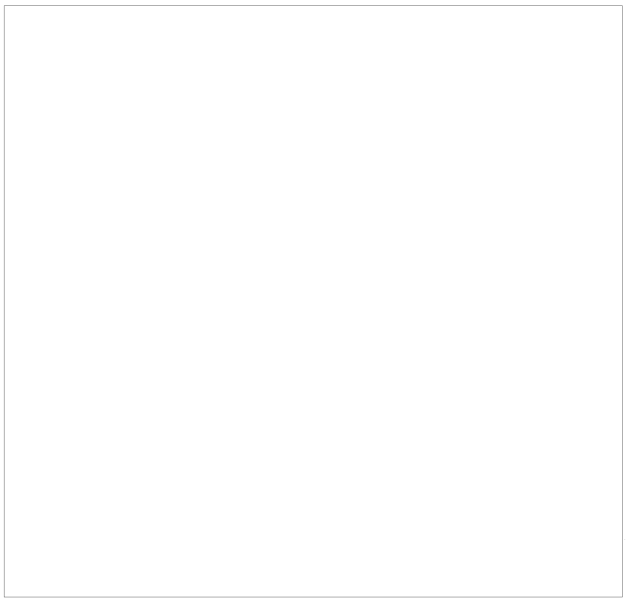


STAT

A METHOD FOR SEPARATING ISOTOPE MIXTURES BY MEANS OF DIFFUSION IN FLOWING MERCURY VAPOR

G. Hertz, Institute of Physics of the Technical University, Berlin

Source: Zeitschrift für Physik, 1932, pp 810-815, Vol 91



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"A METHOD FOR SEPARATING ISOTOPE MIXTURES BY MEANS OF DIFFUSION IN FLOWING MERCURY VAPOR"

G.Hertz, Institute of Physics of the Technical University, Berlin.

ABSTRACT.

Author worked on improvement of diffusion equipment and succeeded in better separation of isotope mixtures by using flowing mercury vapor instead of a porous wall in isotope separation by diffusion. A diffusion pump of special construction is used to this effect. It has a preference for more rapidly diffusing components and pumps them out of a mixture. The equipment consists of twelve such pumps and its operation increases by a factor of 10 the isotope ratio of neon isotopes. The equipment and its operation are described in detail.

"Zeitschrift für Physik", vol. 91, pp 810-815 (1934)

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